10

Piers, 1639.

A New Almanacke and Prognostication for the yeere of our Lord God, 1639.

Being the third from the *Bissextile* or *Leape yeere*.

Calculated for the Latitude and Meridian of the City of *Durham*, the Pole Articke being elevated 55 degrees.

And may serve without any great error for the most parts of Great Britaine.

By *Mathew Piers* Student in the Mathematicks.

Printed at *London* by *Io. Dawson* for the Company of *Stationers*.

A briefe Computation of time compleat to this present yeere, 1639.

SInce the creation of the world,	5631
Since the Flood.	3976
Since the birth of *Abraham*	3679
Since the destruction of *Sodom*	3580
Since the *Israelites* departed out of *Egypt*	3174
Since the destruction of *Troy*	2823
Since *London* was built	2747
Since *York* was built	2605
Since *England* received the Christian Faith	1458
Since *Durham* was built	644
Since the Conquest of *England* by Duke *William* of *Normandy*	573
Since the miraculous sinking of the three pits at *Oxenhall* neere *Darlington*, called *Hell kettles*	459
Since the famous battell at *Neuils* Crosse neere *Durham.*	292
Since the invention of Gunnes	259
Since the building of the Bridge at *Aukland* by *Walter Skirlaw* Bishop of *Durham*	239
This Bishop also builded the *Galilee* at the end of the Cathedrall Church of *Durham* and transfered thither the Tombe of Venerable *Bede.*	
Since Printing invented	180
Since *Bulloigne* conquered by K *Henry* 8.	95
Since the Rebellion of the Earles of *Northumberland* and *Westmerland*	70
Since Tilbury Campe	51
Since the Gun powder Treason	34
Since the great Frost	31
Since his Majesties returne from *Spain*	16
Since the birth of our noble Prince *Charles* May 1630.	29
Since the great fire upon *London* Bridge	9
Since the last great Snow	6
	4

The common Notes, and moveable Feasts for this present yeere, 1639.

Old Iulian accompt.			New Gregorian accompt.
	6	The Golden Number.	6
	24	The Circle of the Sun.	24
	6	The Epact.	26
	7	The Roman Indiction	7
	F	The Dominicall letter	B
Febzuary	24	Shzove sunday.	6 March.
Apzil	14	Easter day	24 Apzil.
May	19	Rogation Sunday.	29 May.
May	23	Ascention day.	2 June.
June	2	Whit sunday.	12 June.
June	9	Trinitie sunday.	19 June.
December	1	Advent sunday.	27 Novemb.

Ember dayes.

March 6, 8, and 9	March 16, 18, and 19
June 5, 7, and 8,	June 15, 17, and 18
Septemb. 18, 20, 21	September 21, 23, 24.
December 18, 20, 21,	December 14, 16, & 17.

The times wherein matrimony is prohibited by the Church.

From the beginning of the yeere untill Ianuary 13.
From February 10, untill April 21.
From May 20, untill Iune 9.
From December 1, to the end of the yeere.

The Anatomie of Mans Body, as the *parts thereof are governed by the twelue Signes.*

♈ Head and face.

♉ Necke and throat.

♋ Breast, stomacke, and ribs.

♍ Bowels and belly.

♎ Secret members.

♑ Knees.

♊ Armes and shoulders.

♌ Heart and backe.

♎ Reines and loynes.

♐ Thighes.

♒ Legs.

♓ the Feete.

The Characters of the seven Planets, with their Aspects.

♄ Saturne, ♃ Iupiter, ♂ Mars, ☉ Sol, ♀ Venus, ☿ Mercurie, ☾ Luna.

☌ Coniunction, ⚹ Sextile, □ Quartile, △ Trine, ☍ Opposition.

Ianuary hath xxxj. dayes.

First quarter the 2. day at 8. a clock and an halfe morne.
Full moone the 9. day at one a clock afternoone.
Last quarter the 16. day, at 4 a clocke and 20 min. morne.
New moone the 23 day, at 10 a clock and 43 min. night.

1	a	The Circumcision of Christ.	aries	11
2	b	The octaues of S. Stephen.	aries	23
3	c	The octaues of S. Iohn.	tau.	5
4	d	The octaues of the holy Innocent	tau.	18
5	e	The depos. of Edw. the Confes.	gem.	1
6	f	The Epiphany.	gem.	14
7	g	Felix and Ianuarius.	gem.	28
8	a	Lucian Priest and martyr.	can.	13
9	b	Indocus Confessor.	can.	27
10	c	Paul the first Hermit.	leo	12
11	d	Higinius B & Mart. Sunne ent	leo.	27
12	e	Archadius Mart. Aquarius.	vir.	12
13	f	Hillary Bish. and Confessor.	vir.	27
14	g	Felix Priest and Mart.	libra	12
15	a	Mauritius and Isidorus.	lib.	26
16	b	Marcelline bishop and Mart.	scor.	9
17	c	Anthony and Sulpitius.	scor.	23
18	d	Prisca virgin and Martyr.	sag.	6
19	e	Wolstane Bishop.	sag.	18
20	f	Fabian and Sebastian.	capri.	1
21	g	Agnes virgin. Octabis Hilla.	capri.	13
22	a	Vincent Deacon and Martyr.	capri.	26
23	b	Emerentia virgin, Terme begin	aqua.	8
24	c	Timothie Bish. and Mart.	aqua.	20
25	d	The Conversion of S. Paul Ap.	pisc.	2
26	e	Policarp, Bishop.	pisc.	14
27	f	Iulian bishop and Confessor.	pisc.	25
28	g	Agnes the 2. Quin. Hillary.	aries	7
29	A	Valerius Bishop.	aries	19
30	b	Batild queene.	tau.	1
31	c	Saturnine and victor.	tau.	14

February hath xxviij. dayes.

First quarter the first day, at 2 a clock, and 33. min. morne.
Full Moone the 7. day, at 11 a clock, and 47. min at night.
Last quarter the 14 day at 4 a clock, and 34 min afternoon.
New Moon the 21 day at 5 a clock and 28. min. afternoon.

1	d	Brigget virgin. Fast	tau.	26
2	e	Purification of S. Mary the virgin	gem.	9
3	f	Blase bishop & mar. Craft. Purif.	gem.	23
4	g	Gilbert confessor.	can.	6
5	a	Agathe virgin and Martyr.	can.	21
6	b	Dorothie virgin and Martyr.	leo	5
7	c	Angulus Bishop,	leo	21
8	d	Paul Bishop. Lucius.	vir.	6
9	e	Apolinia vir. & mar. Octa Purif.	vir.	21
10	f	Scholastica virg. Septuagessima	lib.	6
11	g	Mother B. Sun enters Pisces.	lib.	21
12	a	Eulalia virgin,	scor.	5
13	b	Wolfrane Bishop.	scor.	19
14	c	Valentine Priest & Martyr,	sag.	2
15	d	Faustina and Jovita.	sag.	15
16	e	Julian virgin and martyr.	sag.	28
17	f	Policron: bish: & mar: Sexagessim	cap.	10
18	g	Simeon bish: and Martyr.	cap.	23
19	a	Sabine and Julian.	aqua.	5
20	b	Mildred virgin.	aqua.	17
21	c	Seventy and nine Martyrs	aqua.	29
22	d	S. Peters chaire.	pis.	10
23	e	Policarp Bishop. Fast	pis.	22
24	f	Quinquagessi. Mathias Apostle,	aries	4
25	g	Constance virgin. Esto mihi, or	aries	16
26	a	Alexander bishop, Shroue sunday.	aries	28
27	b	Augustine bishop Ashwednesday	tau.	11
28	c	Oswald Bishop & Confessor.	tau.	23

March hath xxxj dayes.

First quarter the 2. day, at 5. a clocke and 12 min. aftern.
Full moone the 9. day at 9. a clock and 11. min. in morne.
Last quarter the 16 day, at 7 a clock and 4. min. morne.
New moone the 24, day at 11. a clock and 5 mi. forenoon

1	d	David Bishop and Confessor.	gem.	6
2	e	Chadde bishop and Confessor.	gem.	18
3	f	Martin & Aust. Quadrageslima.	can.	1
4	g	Adrian martyr, or Invocauit	can.	15
5	a	Focas and Eusebius.	can.	29
6	b	Victor and Victorinus. Ember	leo.	14
7	c	Perpetua & Felicitas. weeke.	leo.	29
8	d	The deposition of S. Felix.	vir.	14
9	e	Forty Martyrs,	vir.	29
10	f	Agapite virgin. Reminiscere.	lib.	14
11	g	Marion & Candid. dum ent. aries	lib.	29
12	a	S Gregory the great By. of Rom	scor.	14
13	b	Theodore Martyr,	scor.	28
14	c	Leo bishop, Peter martyr.	sag.	11
15	d	Longinus Martyr.	sag.	24
16	e	Boniface bishop.	cap.	7
17	f	Patrick, bish: & confessor Oculi.	cap.	20
18	g	Edward King and martyr.	aqua.	2
19	a	Joseph the husband of Mary.	aqua.	14
20	b	Cuthbert bishop & confessor.	aqua.	25
21	c	Benedict Abbot.	pis.	7
22	d	Aphrodosius bishop.	pis.	19
23	e	Theodorus priest. Fast	aries	1
24	f	Agapitus martyr.	aries	13
25	g	The anunciation of Mary the vir	aries	25
26	a	Castor martyr.	taur.	8
27	b	Initium Rex Caroli.	taur.	20
28	c	Dorothy virgin.	gem.	3
29	d	Victorine Martyr.	gem.	15
30	e	Quirine Martyr.	gem.	28
31	f	Adelmus bishop.	can.	12

Aprill hath xxx. daves.

First quarter the 1. day, at at 3. a clock and 54. min. morne
Full moone the 7 day at 6 a clock and 14. min. at night.
Last quarter the 15. day at 11 a clock and 22 min. night.
New Moone the 23. day, at 2. a clock, and 27. morning.
First quarter the 31. day, at 11. a clock and 12 min. foren.

1	g	Theodora virgin.	can.	25
2	a	Mary of Egypt.	leo	9
3	b	Richard Bishop and Confessor.	leo	23
4	c	S. Ambrose Bishop of Millan.	virgo	8
5	d	Martinian, Bishop	virgo	23
6	e	Sixtus bishop and Martyr.	lib.	8
7	f	Euphemia virgin. Palmarum.	lib.	22
8	g	Egesippus and his fellowes.	scor.	8
9	a	Perpetuus Bishop.	scor.	22
10	b	Passion of 7. martyrs. Sun enter	sagit.	6
11	c	Guthliacus Leo. Taurus.	sagit.	20
12	d	Julius Bishop of Rome.	capri.	3
13	e	Euphemia virgin.	capri.	16
14	f	Tiburt and Valer. Easter day.	cap.	28
15	g	Oswald archbishop.	aqua.	10
16	a	S. Isidorus Bishop and Mart.	aqu.	22
17	b	Anicetus bishop of Rome.	pis.	4
18	c	Eleutherius and Anthir,	pisces	16
19	d	Alphege archbish. of Cant. mart.	pis.	28
20	e	Victor Bishop and Mart.	aries	10
21	f	Simeon B. and M. Qua modo	aries	22
22	g	Sother Virg. geniti or	tau.	4
23	a	S. George Mart. in Abbis.	tau.	17
24	b	Wilfrid Bish. and Confessor.	tau.	29
25	c	S. Marke Evangelist and Mart.	gem.	12
26	d	Cletus bishop of Rome.	gem.	25
27	e	Anastasius bishop of Rome.	can.	9
28	f	Vitalis Mart. Miserecordias	can.	22
29	g	Peter of Millan. Domine.	leo	6
30	a	Erkenwald depo. Quin. Pasch.	leo	19

May hath xxxj. dayes.

Full moon the 7. day, at 3. a clock, and an halfe in morne.
Last quarter the 14. day, at 4 a clock and a halfe afternoon
New moone the 22, day, at 3 a clock, and 27. min. aftern.
First quarter the 29. day, at 4. a clock and 11 min. aftern.

1	f	Philip & Iacob. Terme begins.	virgo	4
2	g	Athanasius Bishop.	vir.	18
3	a	Inuent. of the Crosse by M. H.	libra	2
4	b	The feast of the Crown of thor.	libr.	17
5	c	Goddard archbishop.	scor.	1
6	d	S. John at the Latin gate in Rome	scor.	16
7	e	John of Beverley. Tres Pasch.	sag.	0
8	f	The apparition of S. Michael.	sag.	14
9	g	The transf. of S. Nicholaus.	sag.	28
10	a	Gordian Bishop and Epima.	cap.	11
11	b	Anthony M. Sol in Gemini.	cap.	24
12	c	Nereus & Pan. M. Mens. Pasch.	aqua.	6
13	d	Seruatius Confessor.	aqua.	18
14	e	Boniface Mart.	pisc.	0
15	f	Isidore Mart.	pisc.	12
16	g	Brandon Abbot.	pisc.	24
17	a	The transf. of S. Bernhard.	aries	6
18	b	Dioscorus Mart.	aries	18
19	c	Dunstan Archb. Rogat. Sund.	tau.	0
20	d	Bernardine or vocem iu-	taur.	12
21	e	Hellen M. cundatis.	tau.	25
22	f	Julian virgin. Quin. Pasch.	gem.	8
23	g	Desiderius B. Ascension day.	gem.	21
24	a	Herbulus M. Craft. Trin.	can.	5
25	b	Adelme Bish. and Confessor.	can.	18
26	c	Augustine Archb. Cant. Exaudi	leo	2
27	d	Bede priest. Terme ends.	leo	16
28	e	Germane bishop and Confessor.	vir.	0
29	f	Maximus bishop, Cosonis M.	vir.	14
30	g	Felix bishop of Rome. Mart.	vir.	29
31	a	Petronill virgin.	lib.	13

Aprill hath xxx. daves.

First quarter the 1. day, at at 3. a clock and 54. min. morne
Full moone the 7 day at 6 a clock and 14 min. at night.
Last quarter the 15. day at 11 a clock and 22 min. night.
New Moone the 23. day, at 2. a clock, and 27. morning.
First quarter the 31. day, at 11. a clock and 12 min. foren.

1	g	Theodora virgin.	can.	25
2	a	Mary of Egypt.	leo	9
3	b	Richard Bishop and Confessor.	leo	23
4	c	S. Ambrose Bishop of Millan.	virgo	8
5	d	Martinian, Bishop	virgo	23
6	e	Sixtus bishop and Martyr.	lib.	8
7	f	Euphemia virgin. Palmarum.	lib.	23
8	g	Egesippus and his fell owes.	scor.	8
9	a	Perpetuus Bishop.	scor.	21
10	b	Passion of 7. martyrs. Sun enter	sagit.	6
11	c	Guthliacus Leo. Taurus.	sagit.	20
12	d	Julius Bishop of Rome.	capri.	3
13	e	Euphemia virgin.	capri.	16
14	f	Tiburt and Maler. Easter day.	cap.	28
15	g	Ofwald archbishop.	aqua.	10
16	a	S. Isidorus Bishop and Mart.	aqu.	22
17	b	Anicetus bishop of Rome.	pis.	4
18	c	Eleutherius and Anthir,	pisces	16
19	d	Alphege archbish. of Cant. mart.	pis.	28
20	e	Victor Bishop and Mart.	aries	10
21	f	Simeon B. and M. Qua modo	aries	22
22	g	Mother Virg. geniti or	tau.	4
23	a	S. George Mart. in Abbis.	tau.	17
24	b	Wilfrid Bish. and Confessor.	tau.	29
25	c	S. Marke Evangelist and Mart.	gem.	12
26	d	Cletus bishop of Rome.	gem.	26
27	e	Anastasius bishop of Rome.	can.	9
28	f	Vitalis Mart. Miserecordias	can.	22
29	g	Peter of Millan. Domine.	leo	6
30	a	Erken wald depo. Quin. Pasch.	leo	19

May hath xxxj. dayes.

Full moon the 7. day, at 3. a clock, and an halfe in morne.
Last quarter the 14. day, at 4 a clock and a halfe afternoon
New moone the 22, day, at 3 a clock, and 27. min. aftern.
First quarter the 29. day, at 4. a clock and 11 min. aftern.

1	b	Philip & Iacob. Terme begins.	virgo	4
2	c	Athanasius Bishop.	vir.	18
3	d	Inuent. of the Crosse by M. H.	libra	2
4	e	The feast of the Crown of thor.	libr.	17
5	f	Goddard archbishop.	scor.	1
6	g	S. John at the Latin gate in Rome	scor.	16
7	a	John of Beverley. Tres Pasch.	sag.	0
8	b	The apparition of S. Michael.	sag.	14
9	c	The transl. of S. Nicholaus.	sag.	28
10	d	Gordian Bishop and Epima.	cap.	11
11	e	Anthony M, Sol in Gemini.	cap.	24
12	f	Nereus & Pan. M. Mens. Pasch.	aqua.	6
13	g	Seruatius Confessor.	aqua.	18
14	a	Boniface Mart.	pisc.	0
15	b	Isidore Mart.	pisc.	12
16	c	Brandon Abbot.	pisc.	24
17	d	The transl. of S. Bernhard.	aries	6
18	e	Dioscorus Mart.	aries	18
19	f	Dunstan Archb Rogat. Sund.	tau.	0
20	g	Bernardine et vocem ju-	taur.	12
21	a	Hellen M. cundatis.	tau.	25
22	b	Julian virgin. Quin. Pasch.	gem.	8
23	c	Desiderius B. Ascention day.	gem.	21
24	d	Servulus M. Crast. Trin.	can.	5
25	e	Adelme Bish. and Confessor.	can.	18
26	f	Augustine Archb. Cant. Exaudi	leo	2
27	g	Bede priest. Terme ends.	leo	16
28	a	Germane bishop and Confessor.	vir.	0
29	b	Maximus bishop, Corons M.	vir.	14
30	c	Felix bishop of Rome. Mart.	vir.	29
31	d	Petronill virgin.	lib.	13

Iune hath xxx. dayes.

Full moone the 5. day, at 1. a clock, and 37 min. afternoon
Last quarter the 13 day, at 9. a clocke and 53. min. morne.
New moone the 21 day, at 2. a clocke in the morning.
First quarter the 27 day, at 8. a clocke and 24. min. night.

1	g	Nichomede Priest & martyr.	lib.	27
2	f	Marcel. Pet. mart. Whitsunday.	scor.	11
3	g	Erasmus martyr.	scor.	25
4	a	Petroctus confessor.	sag.	9
5	b	Boniface bishop, Ember weeke.	sag.	22
6	c	Melon Archbishop, Claudius	cap.	6
7	d	The translation of wolstan.	cap.	19
8	e	Wilhelme archbishop, confessor.	aqu.	2
9	f	Transl of S Ed. Trinity Sund.	aqu.	14
10	g	The transl. of Yvon.	aqu.	26
11	a	S. Barnabas Ap. and mar. Sun in	pisces	8
12	b	Basilis confessor, Cancer	pis.	20
13	c	Anthonie Confessor	aries	2
14	d	Basilius bishop. Terme begins	aries	14
15	e	Vitus, Modestus & Crescentius	aries	26
16	f	The transl. of Richard. 1.	taurus	8
17	g	Botolph Confessor. Octa Trin.	tau.	20
18	a	Marcus & Marcellian.	gem.	3
19	b	Gervasius and Protasius.	gem	16
20	c	The translation of S. Edward K	cān	0
21	d	Walburge virgin.	can.	14
22	e	Albane Martyr the first of Eng.	can.	28
23	f	Etheired virgin. Fast	les	12
24	g	The nativity of S. John Baptist.	leo.	27
25	a	Transl of Loy B. Quind. Trin.	virgo	11
26	b	John and Paul	virgo	25
27	c	Crescens martyr.	lib.	9
28	d	Leo bishop of Rome. Fast	lib.	24
29	e	S. Peter Apostle and Martyr.	scor.	7
30	f	The commemoration of S. Paul.	scor.	21

Iuly hath xxxj dayes.

Full Moon the 5 day, at 1. a clocke, and 24. min morne.
Laſt quarter the 13 day, at 2. a clock, and 38. min. morne.
New Moone the 20 day, after 11. in the forenoone.
Firſt quarter the 27 day, at 1 a clock and 50 mi morn.

1	g	Oct. of S. Iohn Bap. Tres Trin.	ſag.	5
2	a	The viſitation of S. Mary the vir.	ſag.	18
3	b	Tra. of S. Thom. Terme ends.	cap.	1
4	c	Tranſ. of S. Martin Biſhop.	cap.	14
5	d	Zoe virgin & martyr.	cap.	27
6	e	The octaves of S. Peter Apo.	aqua.	10
7	f	The tranſlation of Tho. Beck.	aqua.	22
8	g	The depoſition of Grimbald.	piſ.	4
9	a	Cyrill biſhop, Gertrude virgin	piſ.	16
10	b	Seven bzethren martyrs.	piſ.	28
11	c	The tranſlation of S. Benedict.	aries	10
12	d	Nabor and Felix.	aries	22
13	e	Priuatus martyr. Sol in Leo.	tau.	4
14	f	Diviſion of the Apoſtles.	tau.	16
15	g	The tranſlation S Swithin B.	tau:	28
16	a	The tranſlation of Oſmond.	gem.	11
17	b	Kenelme King and martyr.	gem.	24
18	c	Arnulph biſhop and martyr.	can.	8
19	d	Ruffin & Juſtin mart. Dog daies	can.	22
20	e	S. Margaret vir. begin.	leo	7
21	f	Praxedes virgin.	leo	21
22	g	S. Mary Magdalene.	vir.	6
23	a	Apolina biſhop.	vir.	21
24	b	Chriſtiana virgin. Faſt	lib.	6
25	c	S. James Apoſtle and martyr.	lib.	20
26	d	S. Anne mother of v. Mary.	ſcor.	4
27	e	The 7. Sleepers.	ſcor.	18
28	f	Sampſon biſhop.	ſag.	1
29	g	Felix and his fellowes.	ſag.	15
30	a	Abdon and Sennen martyrs.	ſag:	28
31	b	Germane Biſhop.	capr.	11

Auguſt hath xxxj. dayes.

Full moone the 3. day, at 2 a clocke and 58. min. afternoon
Laſt quarter the 11. day at 6. a clock and 42. min. at night
New moon the 18. day, at 7 a clock and an halfe at night
Firſt quarter the 25. day, at 8. a clock, and 57. min. morne.

1	e	Lammas day. S. Peters chaine.	capri.	23
2	d	Stephen biſhop and Mart.	aqua.	6
3	e	The Invention of S. Stephen.	aqu.	18
4	f	Juſtin Pzeiſt.	piſc.	0
5	g	S. Oſwald K. Feaſt of Mary.	piſc.	13
6	a	The tranſfiguration of our Lord	piſc.	25
7	b	The feaſt of the name of IESVS	aries	6
8	c	Ciracus & his fellowes mart.	aries	18
9	d	Romane martyr.	taurus	0
10	e	S. Laurence Archdeacon mart.	tau.	12
11	f	Tiburtius mart.	tau.	24
12	g	Clare virgin. Sun enters Virgo.	gem.	7
13	a	Hipvolitus & his fellowes M.	gem.	19
14	b	Euſebius.	can.	2
15	c	The aſſumption of Mary Virg.	can.	16
16	d	Rochus martyr.	leo	0
17	e	The octaues of S. Laurence.	leo	15
18	f	Agapitus Mart.	vir.	0
19	g	Mignus Mart.	vir.	15
20	a	Lewes biſhop and Confeſſoz.	vir.	29
21	b	Bernard Confeſſoz.	lib.	15
22	c	The octaues of the aſſum. of M.	ſcoz.	0
23	d	Timothy &c. martyrs. Faſt	ſcoz.	14
24	e	S. Bartholmew apoſtle and Mart.	ſcoz.	28
25	f	S. Lewes King of Fraunce.	ſag.	12
26	g	Severine biſh. and mart.	ſag.	25
27	a	Ruffus Mart. Dog dayes end.	capri.	8
28	b	S. Auguſtine Biſhop of Hippo.	capri.	20
29	c	The Beheading of Iohn Baptiſt.	aqua.	3
30	d	Felix and Andactus Mart.	aqua.	15
31	e	Aydane biſhop and Confeſſoz.	aqua.	27

Full moone the 1. day, at 9 a clock, and 35. min. at night.
Last quarter the 10. day, at 9. a clock, and 4. min. morne.
New moone the 17. day, at 3. a clock and 42. min. morne.
First quarter the 23 day, at 9. a clock and 44. min. morne.

1	f	Giles Abbot.	pis.	9
2	g	Anthony Mart.	pisc.	21
3	a	Gregory Bishop of Rome.	aries	3
4	b	The translation of S. Cuthbert	aries	15
5	c	Bertine Abbot.	aries	27
6	d	Eugenius confessor.	tau.	9
7	e	Enurchus bishop of Orelans.	tau.	21
8	f	The nativity of S. Mary the vir.	gem.	3
9	g	Gorgonius martyr.	gem.	15
10	a	Silvius bish. & Confessor.	gem.	28
11	b	Prothius and Hyacinthus M.	can.	11
12	c	Martinian bishop.	can	25
13	d	Manlius bishop. Sun ent. Libra	leo	9
14	e	The exaltation of the holy crosse.	leo	23
15	f	Nicomedes Mart.	virgo	8
16	g	Edithe virgin.	virgo	23
17	a	S. Lambert bishop and Mart.	lib.	8
18	b	Victor & Corona. Ember weeke.	lib.	24
19	c	Januarius and his fellowes M.	scor.	9
20	d	Eustachius & his fellowes, Fast	scor.	23
21	e	S. Mathew Ap. Evang. & Mart.	sag.	7
22	f	Mauritius and his fellowes.	sag.	21
23	g	Tecla virgin Martyr.	cap.	4
24	a	Andochius Mart.	cap.	17
25	b	Firmicus bishop and Mart.	aqua.	0
26	c	Cipzian & Justina Mart.	aqua.	12
27	d	Cosme and Damia Mart.	aqua.	24
28	e	Exuperius bishop and Confes.	pis.	6
29	f	S. Michael Archangell.	pis.	18
30	g	S. Hierome Priest & doctor.	aries	0

October hath xxxj. dayes.

Full moone the 1. day, at 11. a clock and 32. min. at night.
Last quarter the 9. day at 9. a clock, and 16. min. night.
New moone the 16. day, halfe an houre after high noone.
First quarter the 23 day, at one a clock and 6. m afternoon,
Full Moon the 31 day, at 5 a clock and 11. min. in evening.

1	a	Remigius bishop of Rhemes.	aries	12
2	b	Leodegarius bishop.	aries	24
3	c	Candidus martyr.	tau.	6
4	d	Francis confessor.	tau.	18
5	e	Apoline martyr.	gem.	0
6	f	Faith virgin and Martyr.	gem.	12
7	g	Marke & Marcel. Octa Micha.	gem.	25
8	a	Pelagia the penitent.	can.	7
9	b	S. Denis B. & mart. Term begins	can.	21
10	c	Gercon & his fellowes. Pauline	leo	4
11	d	Michaelus Bishop.	leo	17
12	e	wilfrid Bishop. Sun ent. scorp.	virgo	2
13	f	The transl. of Edw. the Confes.	vir.	17
14	g	Calixtus B. and m. Quin. Mich.	lib.	2
15	a	Wolfran bish.	lib.	17
16	b	Lucian.	scor.	2
17	c	Ethelred virgin.	scor.	17
18	d	S. Luke Evangelist.	sag.	2
19	e	Frideswide virgin.	sag.	16
20	f	Iustroberta virgin.	cap.	0
21	g	Eleven 1000 virgins Tres mich.	cap.	13
22	a	Mary Salome.	cap.	26
23	b	Romane Bishop.	aqua.	9
24	c	Magiozus b shop.	aqua.	21
25	d	Chrilpin and Chrispiana. Mart.	pis.	3
26	e	Evaristus Bish. and mart.	pis.	15
27	f	Florentius mart. Fast	pis.	27
28	g	Simon & Iude Apo. Meni. Mic.	aries	9
29	a	Narcissus bishop and Confes.	aries	21
30	b	Germanus and Capua.	tau.	3
31	c	Quintine martyr. Fast	tau.	15

November hath xxx. dayes.

Last quarter the 8 day, at 7 a clock and an halfe in morne.
New moon the 14. day, at 10 a clock and 50 min. night.
First quarter the 22. day, at 8. a clocke in morning.
Full Moone the 30. day, at 10 a clock and 17. m. morne.

1	D	The Feast of all Saints.	tau.	27
2	E	The commemoration of Soules.	gem.	9
3	F	Wenefride virgin and mart.	gem.	24
4	G	Amantius & vita. Cratt. Anim	can.	5
5	a	Lætus P. Gun powder treason	can.	18
6	b	Leonard abbot and Confessor.	leo	1
7	c	Willibroode Archbishop.	leo	14
8	d	Foure martyrs crowned.	leo	28
9	e	Theodorus martyr.	virgo	12
10	F	S. Martin Bish. and Confes.	vir.	26
11	g	S. Martin bishop & martyr.	lib.	11
12	a	Paternus mart. Cratt. Mart.	lib.	26
13	b	Brice b. and con. Sun ent. Sagit.	scor.	10
14	c	The translation of Erkenwald.	scor.	25
15	d	S. Macute bishop.	sag.	10
16	e	S. Edmund Arch-bish. of Cant.	sag.	24
17	F	S. Hugh bishop of Lincolne.	cap.	8
18	g	The octaves of Martin.	capri.	21
19	a	Elizab. mart. Nat. King Charles.	aqu.	4
20	b	S. Edmund King.	aqua.	17
21	c	The presentation of Mary the v.	aqu	29
22	d	Cecelie virgin and mart.	pis.	11
23	e	Clement first bish. and mart.	pis.	23
24	F	Chrysogonus mart. Octa Mart.	aries	5
25	g	S. Katherine virg.	aries	17
26	a	Linus bishop.	aries	29
27	b	Agricola and Vitalis	tau.	11
28	c	Rufus mart. Terme ends.	tau.	23
29	d	Saturnine mart Fast	gem.	6
30	e	S. Andrew Apostle and mart.	gem	18

December hath xxxj. dayes.

Last quarter the 7. day, at 3 a clock, and 50 min. afternoon
New moone the 14 day, at 11. a clocke and 10. min. foren
First quarter the 21 day, at 4 a clock and 53. min, morne.
Full moone the 30. day, at 1 a clock, and 37. min. morning

1	f	Eligius Bish. Advent sunday.	can.	1
2	g	Libanus.	can.	14
3	a	Barbara virgin and Mart.	can.	28
4	b	Osmond Bishop.	leo.	11
5	c	Sabba Abbot.	leo.	25
6	d	S. Nicolas Bishop of Myra.	virgo	9
7	e	S. Ambrose bishop and Confes.	vir.	23
8	f	The conception of S. Mary vir.	lib.	7
9	g	Cipzian abbot.	lib.	21
10	a	Eulalia virgin.	scor.	5
11	b	Damasus B. Sunent. Capri.	scor.	20
12	c	Paul bishop.	sag.	4
13	d	Lucie virgin and Mart.	sag.	18
14	e	Otholie virgin.	capri.	2
15	f	Valerius bishop.	cap.	16
16	g	Melerius O Sapientia.	cap.	29
17	a	Lazarus bishop, Ember weeke.	aqua.	12
18	b	Gratian bishop.	aqua.	25
19	c	Venesta virgin.	pisc.	7
20	d	Julius Martyr. Fast	pisc.	19
21	e	S. Thomas Apostle and Martyr.	aries	1
22	f	30. Martyrs.	aries	13
23	g	Victoria virgin.	aries	25
24	a	Foztie virgins. Fast.	tau.	7
25	b	Christmas day.	tau.	19
26	c	S. Stephen the first Martyr.	gem.	1
27	d	S. John Evangelist and Apost.	gem.	14
28	e	The holy Innocents.	gem.	27
29	f	Thomas Becket. Archb. Cant.	can.	10
30	g	The translation of S. James.	can.	23
31	a	Silvester Bishop of Rome. M.	leo.	7

PIERS. 1639.

A Prognostication for the yeare of our redemption. 1639.

Being the second from the *Bissextile* or *Leape yeare.*

Containing a description of the Times and Seasons limited by the Celestiall Bodies, with other obſervations, *pleasant and profitable for all men of whatsoever.*

By Matthew Piers, *Well-willer to the Mathematicks.*

LONDON,
Printed for the Company of *Stationers.* 1639.

A plaine and easie Table shewing the beginning, continuance, and ending of every Kings Reigne since the Conquest, with how long it is since the ending of any of their Reignes, till this present Yeere, 1639.

The K. names	Began their Reigne	Reigned yeer. mo. dayes	Since the end of their reigne
W. Con.	1066 Octob. 18	20 y. 11. m. 22 d.	552 Septem. 9
W. Ruf.	1087 Septem. 9	12 y. 11 m. 19 d.	539 August 1
Henry 1	1100 August 1	35 y. 4 m. 11 d.	504 Decem. 2
Stephen.	1135 Decem. 2	18 y. 11 m. 19 d.	485 Octob. 25
Henry 2	1154 Octob 25	34 y. 9 m. 2. d.	450 July 6
Richa. 1	1189 July 6	9 y. 9 m. 22 da	440 April 6
K. John.	1199 April 6	17 y. 7 mo. 0 d.	423 October 19
Henry 3	1216 Octob. 19	56 y. 4 month.	367 Novem. 16
Edwa. 1	1272 Novem. 16	34 y. 8 m. 9 da	332 July 7
Edwa. 2	1307 July 7	19 y. 7 m. 6 da.	313 January 25
Edwa. 3	1326 Janu. 25	50 y. 5 m. 7 da.	262 June 21
Richa. 2	1377 June 21	22 y. 3 m. 16 d.	240 Septem. 29
Henry 4	1399 Septem. 29	13 y. 6 m. 5 da.	227 March 20
Henry 5	1412 March 20	9 y. 5 m. 24 da.	217 August 31
Henry 6	1422 August 31	38 y. 6 m. 18. da.	179 March 4
Edwa. 4	1460 March 4	22 y. 1. m. 8 da	156 April 9
Edwa. 5	1483 April 9	0 y. 1. m. 18. da.	156 June 22
Richa. 3	1483 June 22	2 y. 2 mo. 5 da.	154 August 22
Henry 7	1485 August 22	23 y. 8 m. 19 da	130 April 22
Henry 8	1509 April 22	37 y. 10 m. 1 da.	93 January 28
Edwa. 6	1546 Janua. 28	6 y. 5 m. 19 da.	86 July 6
Q. Mary	1553 July 6	5 y. 4 m. 22 da.	81 Novem. 17
Elizab.	1558 Novem. 17	44 y. 4 m. 15 d.	37 March 24
K. Jam.	1602 March 24	22 y. 0 m. 3 da.	14 March 27
K. Charles	1625 Mar. 27	Whom God grant long to Reigne	

Of the times and seasons limited and determined by the Celestiall Bodies.

IN the beginning Iehovah Elohim, the Lord God Almighty, created the Sun, Moone, and Stars, and among other he appointed them this office, that they should determine and limit times and seasons, dayes and yeeres. And let them be (saith he) for signes and for seasons, and for dayes and yeeres. Gen. 1. 14. Where the word in the originall [illegible] Monghadim, translated seasons, signifieth properly, limited, & determined in times and seasons, Tempora definita, or præfinita, Times limitted before hand (as Tarteus observeth upon the place) according to the signification of the Root from whence it commeth, to wit, יעד Jangbadh definire, or præfinire. Thus the Moone limitteth & boundeth that part of time which we call a Day, by one revolution upon the Poles of the world. By his revolution also through the Zodiack, he determineth the Yeere. Thus the Moone determineth the Moneth. The Planet Saturne determineth a time of about 30. yeers. The Planet Iupiter a time of about 12. yeares. The Planet Mars, a time of about [illegible] yeares, &c. The Sphaere of the fixed Stars also by its revolution determineth a certaine time, but a very long one, & not certainly known to us, by reason that the motion thereof is so slow. For from the time of Timocharis (who lived about 300. yeares before the birth of our Saviour Iesus Christ, and was the first that committed to writing any observations of the heavenly motions) unto this one time, it hath not moved above the 13 th part of his revolution. Ptolomy thought that it moved one degree in an hundred yeares, and so by that account it should accomplish a full revolution in 36000 yeares. Albategnius

nius supposed that it moved one degree in 66. yeare & so accomplish a revolution in 23760 yeares. Alphonsus allowed a longer time for the revolution, viz. 49000 yeares. But Tycho Brahe comparing his owne observations with the certainest observations of Hipparchus, Ptolomy, & Albategnius, findeth that this Spheare moveth 51 seconds in one yeare, that is, one degree in 70 yeares & 7 moneths, and so by that account it should accomplish one full revolution in 25411 yeares, & about seven moneths. This is that terme which is called by some, Magnus annus Platonis, Plato's great yeare, because, when it was complished he thought all things should returne to the state they were at first. But we Christians abhorre so heathenish a conceit. And doubtlesse we may conclude, that God hath appointed this Spheare so slow a motion that it may be to the Planets a certain base or foundation (as the earth is to the living creatures) whereby their motions may be understood & determined. Besides this benefit, these fixed Starres also, by their diurnall motion from East to West, keep a true and certaine account of the houres of the night. So that the time of the night is known as certainly by them as the time of the day is by the Sunne.

The chiefe and principall of these set and determined times or seasons, are these three, the Day, the Moneth, and the Yeare.

1. The word Day is supposed by some to come of the Hebrew word יוֹם Daah, which signifieth to flie with a swift & continued motion. The word is taken in two senses. For first it signifieth that space of time which the Greeks call Νυχθήμερον, to wit, that space of time, within which, a day & a night is made. And this is called the Naturall day, & is made by one revolution of the Sun upon the Poles of the world, either from the North, or South part of the Meridian, as the Astronomers use to account it. The naturall day is divided commonly in to 24 equall parts

ch are called houres, of the Greeke word ὥρα, houre, which is thought to come of Horus an Egyptian word, signifying with them the Sunne. And the Astronomers make every day in the yeare to equall one to another, for the more ease of their calculations: notwithstanding they finde, that partly by the Sunnes motion from the Aequinoctiall and Tropicall points, and partly by his motion in the Apogæum, and Perigæum, the naturall dayes differ one from another, which they also recompare by certaine equations.

Every one of these houres is divided into 60 minutes, and every minute into 60 secondes, and so consequently as need shall require.

Againe, the word Day is taken in a more strict sense, opposed to the word Night, else it signifieth that space of time wherein the center of the Sun is above the Horizon. And this is called the Artificiall day.

The Moneth taketh his name of the Moone, which measureth forth this Moneth.

Johannes de Sacro Bosco maketh mention of 4 kinds of Moneths, viz. the moneth of Peragration, of Apparition, Medicinall, and the moneth of Consecution.

The Moneth of Peragration is the space of time in which the Moone performeth one revolution through the 12 signes of the Zodiack, and this according to the certaine motion of the Moone, containeth 27 dayes, 7 houres, 43 minutes, 5 secondes, 2 thirds, 6 fourths, 5 fifths, and 19 sixths, according to the observations of the learned Kepler.

The second is the Moneth of Apparition, consisting of 28 dayes, vulgarly divided into foure weekes.

The Moneth Medicinall containeth 26 dayes and a halfe: which according to Galen, measureth all the crises of a sicknesse.

The Moneth of Consecution, is that space of time wherein the Moone accomplisheth one revolution from the Sunne, that is, from one mean conjunction

with the Sunne, to another. And this Month longer than the month of Peregration. For the Moon returning the same place in the Zodiack, where she left the Sunne, findeth him moved by his proper motion, almost one Signe further, and therefore is forced to spend more than two dayes in following the Sunne, before she can come to be joyned with him againe. And of this following of the Sun, the Moon taketh its name of Consecution. This month containeth 29 dayes, 12 houres, 44 minutes, 3 seconds, 2 thirds, 30 fourths, 55 fifths, and 4 sixths; according to the Moones meane motion.

And this is the Meane Naturall month unto which all other Civill Months have respect. For by reason of the fractions joyned to the odd dayes of this month it were a very difficult thing to keep an accounting Common-wealth by this naturall Month. And hence it is, that the civill Months differ almost among all nations. Thus we find in Scripture, that at the time of Noahs Floud, the Month contained 30 dayes. Afterwards the Jewes finding this too much, allowed to month 30 dayes, & to another 29 dayes, alternately throughout the whole yeare; but finding this to little they were forced to use divers intercalations to keep their account of their months. Thus the Civill Month among the Egyptians consisted of 30 dayes, and in our Julian yeare, wee have some months that containe 30, some 31 dayes, and one 28 dayes.

3. The third Determined Stoion of speciall note in the Yeare, which is a space of time limited by the Revolution of the Sun in the Zodiack. Now because the Suns revolution is ordinarily bounded two ways, therefore the yeare is of two sorts, viz. the Sydereall yeare, and the Tropicall yeare.

The Sydereall yeare is the space of time in which the Sun departing from any of the fixed stars, returneth to it againe, & this according to the meane motion of the Sunne, containeth 365 dayes, 6 houres,

min

min. 39 seconds, 27 thirds, 4 fourths, and 48 fifths.

The Tropicall yeare is that space of time in which the Sunne departing from any of the cardinall points in the Zodiack, returneth to the same againe. And this according to the Sunnes meane motion containeth 365 dayes, 5 houres, 48 minutes, 57 seconds, 35 thirds, 47 fourths, and 36 fifths. This is the Meane naturall yeare, which all nations have laboured to keep, but could not doe it, partly, because it was unpossible to know the true quantity of this yeare, but by comparing the observations of these our times with those of the Ancients, & partly also because it is too hard a matter to keep a common account of the odde fractions ioyned to the whole dates contained in this yeare.

Hay therefore the civill yeares used by severall nations, differed one from another: for the Arabians accounted in some of their yeares 354 dayes, and in some 355. The Egyptians reckoned 365 dayes. And in the Iulian yeare we account 365 dayes, intercalating one day every fourth yeare, which we call Bissextile or Leape-yeare. And the Romans now of late finding this Iulian yeare to be too great for the naturall yeare, (as indeed it is) have abated of the quantitie whereof, ordaining that the day which we intercalate every fourth yeare, shall be omitted in some yeares, viz. in the yeares of our Lord, 1700, 1800, 1900, and 2100, 2200, 2300, and so forth, every fourth hundred yeare, observing the intercalation of the day as in other Leap-yeares. And by this meanes (having cracke off 10 dayes from the Iulian yeare) they labour to keep the Æquinoctiall points in those dayes of the month which they were in, at the time of the Generall Councell holden at Nice in Pontus, Anno Dom. 325, assembled for the establishing of a set time for keeping the Feast of Easter. But this yeare is limited by them, is still somewhat too great for the Sunnes course, in determining the Tropicall yeare.

This Tropicall yeare, hath its name [illegible] Τροπῶν.

which signifieth Vicissitudes, turnings, and changes, because in this are all the mutations or changes that can be in a yeare, viz. the changeable seasons of Winter, Spring, Summer, and Autumne, which are caused by the Sunns receding from us, or approaching to us: And of these we are to speake of more particularly.

Of the Winter.

VVInter taketh his name of the Dutch word Wint, which signifieth Winde, because of the plentie of Winds in this Quarter of the yeare. It is called of the Latines Hyems, of the Greeke word ὑειν, signifying to raine. This is the first Quarter of the yeare by Astronomicall Computation, and is that space of time in which the Sunne passeth through these three Signes of the Zodiack, viz. Capricornus, Aquarius, and Pisces. So that the beginning of this quarter, was upon the 11. day of December last past, at 4 of the clock and 8 minutes in the afternoone, at which time the Sunne entred into the first scruple of the Tropicall Signe Capricornus, having then the greatest South declination that can be from the Æquinoctiall line, viz. 23 degrees, 31 minutes, and 30 seconds, according to Tycho Brahe, and making the shortest day and longest night, to all that reside on this side of the Æquinoctiall line. The length of the day being then at Durham five houres and 53 minutes, and the length of the night 17 houres and 7 minutes.

This quarter containeth in it part of December, all Ianuarie, all Februarie, and part of March.

Ianuary taketh the name, either of Janus an ancient King of Italy, who for his wisdome and providence, was pictured with two faces, the one looking backe to the old yeare, and the other forwards to

to the new; or else it takes the name of Ianua, a Gate, or entrance into the yeare.

The ancient Saxons called this moneth Wolf-monar, to wit, Woolf-moneth, because they were then in danger to be devoured by Woolves.

February takes the name a Februis expiatoris, from certaine expiatorie Sacrifices, which the Romanes in this moneth offered to their God Februus, for purging of the soules of the dead, as they supposed.

Our Ancestours the Saxons, called this moneth Sprout-Kele, because the Cole-wort (which they called Kele) in this moneth yeelded wholesome sprouts for their nourishment.

March, Martius is so called a Marte, of Mars, the God of Battell, to whom this moneth was dedicated by the ancient Romanes.

The ancient Saxons called it Lenct-monar, that is, Length moneth: because in this moneth, the day began to exceed the night in length.

And thence commeth the name of the holy Fast of Lent, because the most part of this Fast, falleth for the most part, in this moneth.

Of the Spring.

The Spring is the second quarter Astronomicall. It taketh the name from the Dutch word Springhen, signifying to Leape, or Rise up, or Bud forth. In Latine it is called Ver, of the Greeke word ἦρ, or ἔαρ, or after the Ionicke Dialect Βῆρ, signifying all the same thing. And this Greeke word seemeth to come of ἴαρ, the name of the second moneth of the

Iewes

Iewes or Syrians, it is that space of time, in which the Sunne by his proper motion, passeth through these three signes, viz. Aries, Taurus, and Gemini: so that this quarter takes beginning this yeere upon the 10 day of March at 4 of the clocke, and fourteene minutes in the afternoone. At which time the Sun entreth into the first scruple of the Equinoctial signe Aries, making the dayes equall to the nights, in all places of the world.

This quarter containeth in it, part of March, all Aprill, all May, and part of Iune.

Aprill is so called, ab aperiendo of opening, because in this month all things are opened in the flower; so Ovid, Aprilem memorant ab aperto tempore dictum.

Our Ancestors the Saxons, called it Oster-monat, of the East wind, that used to blow this month: and hence our holy feast of Easter, seemeth to take the name, as being for the most part celebrated in this month.

May, Maja, is so called of the goddesse Maja, the Mother of Mercury, because the Heathen used to sacrifice to her in this month. The Saxons called it Trimilki, because they milked their kine three times a day, in this month.

An Eclipse of the Sunne.

This yeere, upon the two and twentieth day of this month of May, being the day next before Holy-Thursday, there will happen with us an Eclipse of the Sunne, whereby that glorious body shall loose of his light to the quantity of 9 Digits or points, & 52 minutes, which wants but 8 minutes of 10 points. The beginning thereof will be at three of the clock, and 46 minutes in the afternoone, the middle at five of the clocke, and the end at 6 of the clocke and foure minutes.

Thus

Thus will it be seene at Durham, (if the clouds hinder not) but in places lying to the North from Durham, the Eclipse will be greater, and in some of those parts, it will be a totall Eclipse with some small continuance.

June, Junius, taketh the name of Junius Brutus, the Author of the Romans liberty, who was made Consul this month.

The Saxons called this month Weydmonat, of Weyden to feed, because then used in this month to drive their cattell into the pasture to feed.

An Eclipse of the Moone but not seene by us.

Upon the 11. day of this month of June, being Wednesday, will happen an Eclipse of the Moone the beginning whereof will be 10 minutes after high noone, the beginning of totall darkenesse at one of the clocke and 7 minutes, the middle of the Eclipse at one of the clocke and 26 minutes; the end of totall darkenesse, at one of the clocke and three quarters; and the end of all the Eclipse, at two of the clocke, and 31 minutes. The digits or points darkened will be at twelve, and 37 minutes.

This Eclipse we shall not see in England, because it will happen in our day time, but in what places soever it shall bee night, and the Moone above the Horizon, there it will be seene, if the ayre be cleare.

Of the Summer.

Summer the Germanes call Sommer of the presence of the Sunne this quarter. The Latines call it Æstas of Æstus, Heat, which both come of the Hebrew word אש; Esh, fire, and so in Greeke Θέρος of Θέρω, to make hot. It is the third quarter Astronomicall, and is that space of time, in which the Sun

passeth

passeth through the three signes, Cancer, Leo, and Virgo. And therefore it takes beginning this yeere upon the eleventh day of June, at 7 of the clocke & 51 minutes in the afternoone. At which time, the Sun entreth into the tropicall signe Cancer, and maketh with us the longest day and shortest night, viz. At Durham the day 17 houres and 7 minutes, and the night 6 houres and 53 minutes. And at this instant the sun hath it greatest North declination from the Equinoctiall line, viz. 23 degrees, 31 min. and 30 seconds. This quarter containeth in it part of June, all July, all August, and part of September.

July, Julius, is so called of Julius Cæsar, who was borne in this month. For before it was called Quintilis, as being the fifth month from March, from which the ancient Romans used to begin the order of their months.

The ancient Saxons called this month Heu-monat, or Hey-monat, because of their Hay-harvest in this month.

August, Augustus taketh the name of Augustus Cæsar, who in this month began his Consulship, brought three triumphs into the City, and put an end to the civill wars. Before this it was called Sextilis, as being the sixth month from March, inclusively.

The Saxons called this moneth Arn-monat, that is, harvest moneth.

September is so called, because it is the 7 month from March. The Saxons called this month Gerst-monat, that is, Barly moneth, of their Barley harvest this month.

Of the Autumne.

Autumne is the last quarter Astronomical, and seemeth to take the name of the Greeke word ἀυτμη, because of the frequent expiration of the mists this quarter. It is that space of time in which the Sun

passeth

paſſeth through theſe three ſignes of the Zodiack, Libra, Scorpio, and Sagitarius: and therefore it begins this preſent yeere, upon the thirteenth day of September, at 10 of the cloche, and 57 minutes in the forenoone, the Sun then entring into the firſt ſcruple of the Equinoctiall ſigne, Libra, and making the nights once againe equall to the dayes, throughout the whole world.

This quarter containeth part of September, all October, all November, and part of December.

October is ſo called, as being the eight moneth from March.

The Saxons called it Win-monar, that is, wine-moneth, becauſe this month they had Wines brought them from other countreyes adioyning.

November is ſo called, as being the ninth moneth from March.

The Saxons called it Wint-monat, that is, winde-moneth, becauſe of the windes bluſtering this month.

An Eclipſe of the Sun, but not ſeene by vs.

There will happen an Eclipſe of the Sunne upon the foureteenth day of this moneth of November, this yeare, in the parts of the World towards the South, beyond the Æquinoctiall Line. The beginning thereof will be at eight of the cloche and 16 minutes in the morning; the beginning of totall darkeneſſe at nine of the cloche and 27 minutes: The middle of the Eclipſe, at 10 a cloche and 48 minutes: the end of totall darkeneſſe, at 8 minutes after high noone: the end of all the Eclipſe, at one a cloche and 20 minutes after noone: according to the generall conſideration thereof, and the time accompted, as at Durham.

An Eclipse of the Moone but not seene by us.

Likewise upon the last day of this moneth of November, there will bee a small Eclipse of the Moone, to the quantity of foure point, and twelue minutes: the beginning whereof will be at nine of the clocke, and 7 minutes, the middle at ten a clock, and 17 minutes, and the end at eleuen a clocke and twenty eight minutes. This Eclipse will bee seene in the countreyes lying farre West from us.

December is so called, as being the tenth month from March.

The Saxons at first called it Winter monat, that is Winter month, but after they receiued the Christian faith, they called it Heligh-monat, that is Holy month, because of the holy feast of Christmas in this month.

A necessary and perfect Rule to know the *beginning and ending of every Tearme*, with their Returnes.

Hillary Tearme beginneth the 23 of January, if it be not Sunday, and endeth the 12 of Febru-ry, and hath foure Returnes, viz.

Octabis Hillarij.	}	{ Crastino Purificationis.
Quindeno Hillarij.	}	{ Octabis Purificationis.

Easter Tearme begi nneth seventeene dayes after Easter, and endeth the Monday after the Ascension, and hath five Returnes, viz.

Quindeno Paschæ.	} Quinque	{ Crastino Ascentionis.
Tres Paschæ.	} Paschæ.	{ Mense Paschæ.

Trinitie Tearme beginneth the next day after Corpus Christi day, and endeth the Wednesday fortnight after, and hath foure Returnes, viz.

Crastino Trinitatis.	}	{ Quindeno Trinitatis.
Octabis Trinitatis.	}	{ Tres Trinitatis.

Michaelmas Tearme beginneth the 9 or 10 of October, and endeth the 28 or 29 of November, and hath 8 Returnes, that is to say,

Octabis Michaelis.	}	{ Crastino Animarum.
Quindeno Michaelis.	}	{ Crastino Martini.
Tres Michaelis.	}	{ Octabis Martini.
Mense Michaelis.	}	{ Quindeno Martini.

Note also, that the Exchequer openeth eight dayes before any Tearme begin, except Trinitie, in which it openeth but foure dayes before.

Dayes after the Change or Full, the Moone is South a

0	1	2	3	4	5	6	7
12,0	12,48	1, 36	2, 24	3, 12	4, 00	4, 48	5, 36

Dayes after either of the Quarters, the Moone is South a

0	1	2	3	4	5	6	7
6,0	6, 48	7, 36	8, 24	9, 22	10, 0	10,48	11,36

FIrst find the new Moone, Full, or Quarter in the Kalender, then count how many dayes are past either of those, and under the same number, of dayes past, you shall here see the time that the Moone will be South the same day, then look for the Haven or Port you desire, and where the houres and minutes stand before the same, there it is high water so many houres and minutes before the time above found: but where the houres & minutes stand after the place, there it is high water so long after the time first found. As for example,

Ian. 10. I desire to know when it will be full tyde at *Yarmouth*, I look in the Almanack, & find that the first quarter was upon the 2 day, so that the 5 day is 3 dayes after the quarter, which sought in the former Table, sheweth the Moones cõming South, to be at 8 hou. & 24 min. Then looking for *Yarmouth* in the Table following, I find 1 houre & 30 min. standing before it, which sheweth, that the tyde at *Yarmouth* is 1 hou. & 30 min. before the said 8 a clocke & 24 minutes, *viz.* at six a clock, & 54 min. and so of the rest.

0, 0,	Quinborough, Southampton, Portsmouth, Wellings,
0, 45	Rye, Calice, Ealshot, Winchelsea, Gorend.
1, 30	Yarmouth, Bulloigne, Dover, Hatwich, Wight.
2, 15	Needles, Deep, Casket, Lux, Lenow, Orford, Lansto.
3, 0	Orkney poole, Orwell, S. Hellen, Eloe, Eames, Embde.
3, 45	Portland, Peterport, Hareflew, Hage, Blanch.
4, 2	Milford, Bridge-water, North-coast, Exwater, Taxell.
5, 1	Bristoll, Lanion, Foulenesse.
6, 0	Lyn, Humber, Waym. Plimmouth, Antwerp.
Aberden, Redban, Rochester, Maldon, West of Nore	0, 45
Graves-end, Downes, Rumney, Tenet, Ramkins.	1, 30
Dundee, S. Andrews, Tisborne, Silly, Maze, S Lucas.	2, 15
London, Finmouth, Hartlepoole, Amster, Gascoign.	3, 0
Barwick, Ostend, Scarb Fount, Flambor. Flushing.	3, 45
Frith, Leith, Dunbarre, Lawi, Blow, Monsh, Egmon.	4, 30
Falmouth, Fey, Garnsey, Senern mouth, Waterford.	5, 15

A plaine description of the High-Wayes in *England* and *Wales*, set forth in a more perfect manner then hitherto *hath bin published; with the use of the same by example.*

From Barwicke to London 249 miles.

thus accounted.

From Barwicke to Belford 12 miles, from Belford to Anwicke 12 mile, from Anwicke to Morpit 12 miles &c. and the next numbers shew how farre it is, from any of those to London, as from Belford 237 miles to London, from Anwicke 225 miles, &c.

From Barwicke to London, 249 miles.

Goe first to Belford which is 12 miles.

	miles.			miles.	
Thence to Anwicke	12	225	Thence to Doncaster	7	124
Morpit	12	213	Tuxford	18	106
Newcastle	12	201	Newarke	10	96
Durham	12	189	Grantham	10	86
Darlington	14	175	Stanford	16	70
North Allerton	10	165	Stilton	12	58
Topcliffe	7	158	Huntington	9	49
Burrow bridge	4	154	Royston	15	34
Wetherby	8	146	Ware	14	20
Abberford	5	141	Waltham	8	12
Ferry bridge	7	133	London	12	
Went bridge	3	131			

From Yorke to London 151 miles.

To Tadcaster	8	143	To London, as in Barwick way.		131
Went bridge	12	131			

From Lincolne to London, 99 miles.

Goe first to Sleeford, which is 14 miles, thence

		miles.	miles.			miles.	miles.
To	Bourne	13	72	to	Stilton	4	58
	West Deeping	5	67		London, as in		
	Gunworth ferry	5	62		Barwick way.	58	

Another way, viz. 106 miles.

		miles.	miles.			miles.	miles.
To	Ancaſter	16	90	to	Stilton	12	58
	Bitſfield	8	82		London, as		
	Stamford	12	73		before.	58	

From Boſton to London, 94 miles.

		miles.	miles.			miles.	miles.
To	Bourne	22	72	to	Gunworth ferry	5	62
	Weſtdeeping	5	67		Stilton, as before	4	58

From Norwich to London, 95 miles.

Goe firſt to Windham, which is 5 miles.

		miles.	miles.			miles.	miles.
Thence to	Attleborough	10	80	thence to	Barkway	10	32
	Therford	10	70		Puckeridge	7	25
	Icklinham ſands	6	64		Ware	5	20
	Newmarket	10	54		Waltham	8	12
	Whitford bridg	12	42		London	12	

From Walſingham to London, 86 miles.

Goe firſt to Pickham, which is 12 miles, thence

		miles.	miles.			miles.
by	Brandon-ferry	10	64	thence	to London, as in	
	Newmarket	10	54		Norwich way.	42
	Whitford brid.	12	42			

From

From Cambridge to London, 44 miles.

		miles.			miles.
To	Fulmire	6 38	to	London, as in	
	Barkway	6 32		Norwich way.	32

From Yarmouth to Colchester, and so to London 92 miles.

Goe first to Lestaffe, which is 6 miles.

	miles.			miles.
Blibut	10 76	thence to	Chelmsford	10 25
Snap-bridge	8 68		Ingarstone	5 20
Wood-bridge	6 62		Brentwood	5 15
Ipswich	7 55		Rumford	5 10
Colchester	12 43		London	10
Kelnedon	8 35			

From Cockermouth to Lancaster, and so to London, 223 miles.

Goe first to Kiswike, which is 6. miles.

	miles.			miles.
Grocener	8 209	thence to	Coventry	8 74
Kendale	14 195		Deventry	14 60
Burton	7 188		Towcester	10 50
Lancaster	8 180		Stonistratford	6 44
Preston	20 160		Brickhill	7 37
Wigan	14 146		Dunstable	7 30
Warinton	12 134		S. Albons	10 20
Newcastle	20 114		Barnet	10 10
Liechfield	20 94		London	10
Colesill	12 82			

From Shrewsbury to Coventry, and so to London, 118 miles.

Goe first to Watlingstreet, which is 7 miles.

		miles.	miles.			miles.	miles.
Thence to	Shefnall	5	105	thence to	Meriden	10	78
	Bonigall	3	103		Coventrie	4	74
	Wolverhampton	5	98		London, as in Cockermoth way	74	
	Bremicham	10	88				

From Nottingham to London, 94 miles.

Goe first to Loughborough, which is 8 miles.

		miles.	miles.			miles.	miles.
Thence to	Leicester	8	78	thence to	London, as in Cockermouth, and Lancaster way.	44	
	Harborough	12	66				
	Northampton	12	54				
	Stony Stratford	10	44				

From Carnarvan to Chester, and so to London, 199 miles.

Goe first to Conaway, which is 24 miles.

		miles.	miles.			miles.	miles.
Thence to	Denbigh	11	164	thence to	Lichfield	18	94
	Flint	12	152		Coleshill	12	84
	Chester	10	142		Coventry	8	74
	Wich	15	127		London, as in Cockermouth way.		
	Stone	15	112				

From Ludlow to Worcester, and so to London, 106 miles.

Goe first to Tenbury, which is five miles.

		miles.	miles.			miles.	miles.
Thence to	Worcester	16	85	thence to	Wickham	20	27
	Evisham	12	73		Beaconsfield	5	22
	Chippingnorton	14	59		Vxbridge	7	15
	Islip	12	47		London	15	

From

From Carmarthen to London, 157 miles.

Goe first to Landovery, which is 20 miles, thence miles.

Belth	14	123	thence	to London, as in miles.		
Preston	12	111		Ludlow way.	8.	5
Worcester	26	85				

From Oxford to London, 47 miles.

Goe first to Whately bridge, which is 5 miles.

Tetsworth	5	37	to	Beconsfield	5	22
Stokenchurch	5	32		Vxbridge	7	15
Wickam		27		London	15	

From Saint Davids to Hereford and Gloster, and so to London. 202 miles.

Goe first to Axford, which is 12 miles.

	miles.				miles.
Carmarthen	24	166	thence to	Farington	10 56
Newton	12	154		Abington	10 46
Lanbury	10	144		Dorcester	5 41
Brecknocke	16	128		Henly	12 29
Hay	10	118		Maydenhead	7 22
Hereford	14	104		Colebrooke	7 15
Rosse	11	93		Hounslow	5 10
Glocester	12	81		London	10
Ciceter	15	65			

From Bristow to London, 97 miles.

Goe first to Maxfield, which is 10 miles.

	miles.				miles.
Chipnam	10	77	thence to	Reading	15 32
Marleborow	15	62		Maydenhead	10 22
Hungerford	8	54		Colebrooke	7 15
Newbery	7	47		London	15

From

From Exeter to London, 178 miles.

Goe first to Honniton, which is 12 miles.

		miles.				miles.	
Thence to	Chard	10	116	thence to	Basingstoke	16	
	Crookhorne	10	110		Hartherow	8	
	Sherborne	10	105		Bagshot	8	
	Shaftsbury	12	88		Staines	8	
	Salisbury	13	70		London	15	
	Andover	15	55				

From Dover to London, 55 miles.

Goe first to Canterbury, which is 12 miles, thence

		miles.				miles.	
To	Sittingborne	12	31	to	Darford	6	12
	Rochester	8	23		London	12	
	Gravesend	5	18				

From Rye to London, 51 miles

Goe first to Plimwell, which is 15 miles, thence

		miles.				miles.	
To	Tunbridge	12	24	to	London	17	
	Chepstow	7	17				

From Southampton to London, 64 miles.

Goe first to Twiford, which is 8 miles.

		miles.				miles.	
Thence to	Ailesford	8	48	thence to	Rippley	5	20
	Alton	7	41		Cobham	5	15
	Farnam	7	34		Kingston	5	10
	Gilford	9	25		London	10	

From Chichester to London, 50 miles.

Goe first to Midhurst, which is 7 miles, thence

		miles.				miles
To	Chiddingfold	10	33	to	London, as in South-	
	Gilford	8	25		Hampton way.	25

From Barwicke to Yorke, 108 miles.

To Topcliffe, as in Barwick way to London, 91 miles, then to Yorke 17 miles.

From

From Yorke to Cambridge, 114 miles.

e to Huntington (as in Barwicke way to London) which is 102 miles, thence to Cambridge 12 miles.

From Yorke to London 118 miles

First goe to Doncaster, which is 27 miles.

	miles.				miles.	
Mansfield	20	71	thence to	Welford	12	41
Nottingham	12	69		Weedon	14	57
Monsorill	11	58		Banbury	10	43
Leicester	5	53		Oxford	17	

From Yorke to Shrewesbury 103 miles.

Goe first to Wetherby, which is 7 miles.

	miles				miles	
Otely	13	83	thence to	Norwich	16	35
Bradford	6	77		Beston-wood	9	26
Halifax	6	71		Whitchurch	10	16
Blackston-edg	6	65		Price	4	12
Rock-dale	6	59		Shrewesbury	12	
Manchester	8	51				

From Yorke to Nottingham 59 miles.

	miles.				miles.
Doncaster	27	32	to	Nottingham	12
Mansfield	20	12			

From Norwich to Yarmouth 16 miles.

Goe first to Okehill, which is 8 miles, thence to Yarmouth, which is 8 miles.

From Cambridge to Oxford 52 miles,

	miles.				miles.
Gamlinghay	9	43	to	Buckingham	8 19
Bedford	9	34		Bisciker	9 10
Newport	7	27		Oxford	10

From

From Cambridge to Coventry, 48 miles.

Goe first to S. Edes, which is 12 miles, thence

To		miles				miles
	Higham-ferries	8	28		Dunchurch	10
	Northampton	10	18	&	Coventrie.	8

From Oxford to Coventry, 44 miles.

Goe first to Woodstocke, which is 6 miles, thence

To		miles				miles
	Banbury	14	24		Coventry	14
	Southam	10	14	&		

From Oxford to Bristoll, 78 miles.

Goe first to Farringdon, which is 22 mile, thence

To		miles				miles
	Cicester	14	22		Bristoll	
	Sadbury	12	10	&		

From Bristow to Shrewsbury, 70 miles.

Goe first to Auſt. ferry, which is 8 miles, thence

To		miles				miles
	Munmouth	10	12		Ludlow	8
	Hereford	12	30	&	Shrewesburie	20
	Lempſter	12	28			

From Exeter to Briſtol, 60 miles.

Goe first to Collumpton, which is 10 miles, thence

To		miles				miles
	Wellington	8	42		Glaſtenburie	11
	Taunton	6	37	40 &	Welle	4
	Bridgewater	8	30		Briſtoll	15

From Exeter to Barſtable, 32 miles.

Goe first to Kirton, which is 7 miles, thence

To		miles				miles
	Copſtonſtone	3	22		High-Bickington	8
	Colridge	8	14	&	Barſtable	6

FINIS.